

Attorney Docket: 361007-000025

2/24

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Herr, Daniel Joseph Christian

Serial Number: 10/604,747

Filed: August 14, 2003

Confirmation No. 1746

Group Art Unit: 2822

Examiner: Mary Wilczewski

For: DETERMINISTICALLY DOPED FIELD-EFFECT
DEVICES AND METHODS OF MAKING SAME

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.56 AND 37 C.F.R. § 1.97**

It is respectfully requested that the document(s) listed on the attached Form PTO/SB/08A be considered by the Patent and Trademark Office in the above-referenced application and made of record therein. Full text copies of the relevant documents are enclosed.

Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement. 37 CFR § 1.97(e)(1).

Respectfully submitted,

By:

A handwritten signature of Steven B. Phillips.

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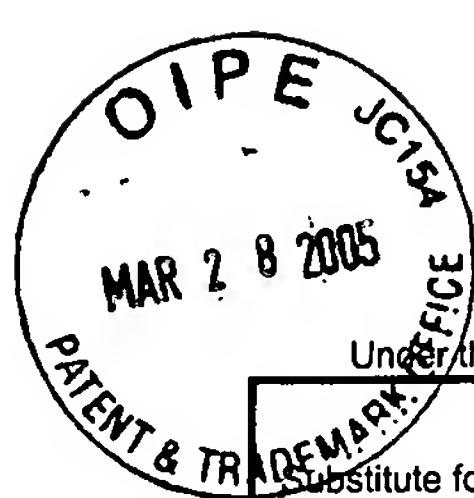
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Patricia L. Pontello



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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/604,747
				Filing Date	August 14, 2003
				First Named Inventor	Herr, Daniel Joseph Christian
				Art Unit	2822
				Examiner Name	Mary A. Wilczewski
Sheet	1	of	1	Attorney Docket Number	361007-000025

U.S. PATENT DOCUMENTS					
Examiner Initials'	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
FOREIGN PATENT DOCUMENTS					
Examiner Initials'	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	WO 01/63674	08-30-01	NC State University	T ⁶
NON PATENT LITERATURE DOCUMENTS					
Examiner Initial	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	AB	Kane, V.E., "A Silicon-Based Nuclear Spin Quantum Computer", Nature, Macmillan Journals Ltd., Vol. 393, No. 6681 (1998) pgs 133-137			
	AC	Obrien, J. L. et al., "Towards the Fabrication of Phosphorus Qubits for a Silicon Quantum Computer", Physical Review, B. Condensed Matter, American Institute of Physics, Vol. 64, No. 21, (March 18, 2001) pgs 161401-1			
	AD	Vrijen, R. et al., "Electron-spin-resonance Transistors for Quantum Computing in Silicon-Germanium Heterostructures", Physical Review A (Atomic, Molecular, And Optical Physics) APS Through AIP USA, Vol. 62, No. 1, (June 13, 2000) pgs 012306/1 – 10			
	AE	Kane, B.E. et al., "Single-Spin Measurement Using Single-Electron Transistors to Prove Two-Electron Systems", Physical Review, B. Condensed Matter, American Institute of Physics, Vol. 61, no. 4 (January 15, 2000) pgs. 2961-2972			
	AF	Shen, T-C et al., "Ultradense phosphorous Delta Layeres Grown Intro Silicon From <formula><roman>PH</roman><inf>3</inf></formula>molecular Precursors", Applied Physics Letters, American Institute of Physics, Vol. 80, No. 9 (March 4, 2002) pgs. 1580-1582			
	AG	Jamieson, D.N. et al., "A Role for Ion Implantation in Quantum Computing", Nuclear Instruments & Methods in Physics Research, Selection – B: Beam Interactions with Materials and Atoms, Vol. 175-177, (April 2004) pgs 7-22			
	AH	Semiconductor Research Corporation, International Search Report, PCT/US03/26560, March 10, 2005			
Examiner Signature				Date Considered	

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